Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/14/2018 10:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126300	1	2.71	126365	2.75
Blue	F	SSC	125000	124104	-1	4.29	124850	4.22
Blue	E	FITC	15492	14984	-4	4.17	348	21.82
Blue	D	PE	28736	28133	-3	3.58	619	16.59
Blue	B	PerCP-Cy5-5	41413	41225	-1	4.96	1128	23.56
Blue	A	PE-Cy7	31321	31384	0	7.30	569	48.24
Red	C	APC	41673	40642	-3	3.09	1574	13.38
Red	A	APC-Cy7	29962	29582	-2	3.02	736	13.81
Violet	B	V450	8318	7845	-6	4.84	436	14.37
Violet	A	V500	34199	33015	-4	4.57	794	11.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20521	4.67	611	-2	N/A	N/A	Pass
Blue	F	SSC	56137	3.83	577	9	N/A	N/A	Pass
Blue	E	FITC	58	72.23	559	-2	0.0161	153	Pass
Blue	D	PE	123	59.67	559	-1	0.1392	347	Pass
Blue	B	PerCP-Cy5-5	210	57.19	666	-1	0.0070	62	Pass
Blue	A	PE-Cy7	109	121.86	721	-1	0.0089	27	Pass
Red	C	APC	360	28.24	599	-2	0.0190	99	Pass
Red	A	APC-Cy7	182	31.84	575	-1	0.0050	1434	Pass
Violet	B	V450	64	71.57	475	-2	0.0529	2993	Pass
Violet	A	V500	112	38.17	493	-1	0.0191	856	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.34	-32.00	1.11
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.51
Red	17.96	13.60 - 20.40	N/A	N/A	29.26	29.65	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10022

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments